

## **ABSTRACT**

An engraving element of an electronic engraving machine for engraving printing forms is formed of a shaft oscillating around a longitudinal axis with small rotational angles. A drive system is provided for the shaft with a lever attached to one end of the shaft. An engraving stylus is provided for engraving the printing form, along with a restoring element for the shaft, a bearing for the shaft, and a damping mechanism for the shaft having a damping element secured to the shaft and a stationary damping chamber. The damping element comprises at least one damping disk that is designed circularly at least in regions and extends perpendicular to the shaft. The damping chamber is designed at least as a hollow-cylindrical segment around the shaft into which the damping disk projects and extends at least over the circular region of the damping disk. The damping chamber is filled with a ferrofluidic fluid as a damping agent.

## Substitute specification